Title (en)

PROCESS FOR THE PREPARATION OF FOAMED ARTICLES

Title (de)

VERFAHREN ZUR HERSTELLUNG VON GESCHÄUMTEN FORMTEILEN

Title (fr)

PROCEDE DE PREPARATION D'ARTICLES EN MOUSSE

Publication

EP 0996665 A1 20000503 (EN)

Application

EP 98939574 A 19980624

Priority

- EP 98939574 A 19980624
- EP 9804019 W 19980624
- EP 97202170 A 19970711

Abstract (en)

[origin: WO9902588A1] The present invention relates to a process for the preparation of a foamed article having a foam density of less than 180 kg/m<3> and an average cell diameter of less than 1.5 mm comprising the extrusion of a molten semi-crystalline thermoplastic resin composition in the presence of a foaming agent, with the semi-crystalline thermoplastic resin composition comprising a polymeric epoxide containing at least two epoxide groups being a copolymer of a monomer mixture comprising at least one C10 to C18-olefin and at least one ethylenically unsaturated compound comprising an epoxide group. The process results in the preparation of foamed articles having a regular and homogeneous structure. Another advantage of the present invention is that it is not necessary anymore to add a compound of Group Ia, IIa, or IIIa of the Periodic Table, such as LiCl, to the extrusion process.

IPC 1-7

C08J 9/12; C08F 210/14

IPC 8 full level

C08F 210/14 (2006.01); **C08J 9/12** (2006.01); **C08L 67/02** (2006.01)

CPC (source: EP US)

C08J 9/122 (2013.01 - EP US); **C08L 67/02** (2013.01 - EP US); C08F 210/14 (2013.01 - EP US); C08J 2367/02 (2013.01 - EP US)

C-Set (source: EP US)

1. **C08L 67/02** + **C08L 23/00**
2. C08F 210/14 + C08F 220/00

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI NL PT SE

DOCDB simple family (publication)

WO 9902588 A1 19990121; AU 8803798 A 19990208; EP 0996665 A1 20000503; US 6187830 B1 20010213

DOCDB simple family (application)

EP 9804019 W 19980624; AU 8803798 A 19980624; EP 98939574 A 19980624; US 48146500 A 20000111